

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU063018\
 Data File : VU025116.D
 Acq On : 01 Jul 2018 03:42
 Operator : MD/SY
 Sample : J3804-03
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 42 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 207TH-STREET-FIELD-BLANK-1-6-2

Quant Time: Jul 02 05:46:48 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\82U061318W.M
 Quant Title : SW846 8260
 QLast Update : Wed Jun 13 13:55:26 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	4.99	168	208315	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.89	114	309711	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.09	117	290180	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.49	152	150096	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	5.31	65	158078	46.48	ug/l	0.00
Spiked Amount	50.000		Recovery	=	92.96%	
35) Dibromofluoromethane	4.89	113	122275	47.57	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.14%	
50) Toluene-d8	7.57	98	451840	48.19	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.38%	
62) 4-Bromofluorobenzene	10.31	95	166495	44.73	ug/l	0.00
Spiked Amount	50.000		Recovery	=	89.46%	

Target Compounds

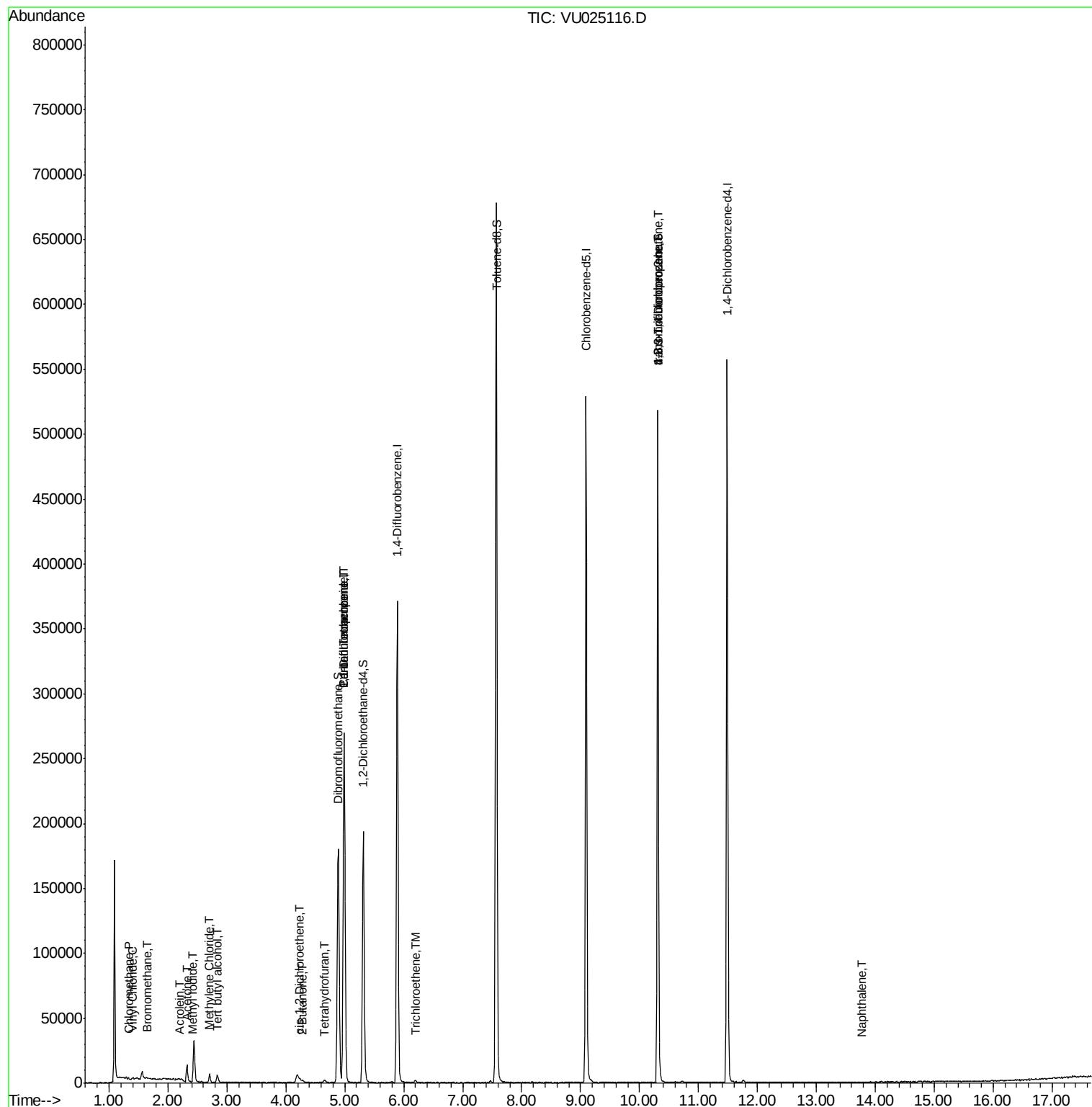
						Qvalue
3) Chloromethane	1.33	50	674	0.253	ug/l	88
4) Vinyl Chloride	1.40	62	578	0.210	ug/l #	64
5) Bromomethane	1.64	94	621	0.468	ug/l #	57
6) Chloroethane	1.74	64	40	Below Cal	#	43
10) Methyl Iodide	2.41	142	42	5.306	ug/l #	40
11) Tert butyl alcohol	2.84	59	3741	4.523	ug/l #	72
13) Acrolein	2.20	56	176	0.405	ug/l #	1
16) Acetone	2.32	43	14622	8.002	ug/l	94
20) Methylene Chloride	2.71	84	2768	0.965	ug/l	93
25) 2-Butanone	4.27	43	3124	1.273	ug/l #	88
27) cis-1,2-Dichloroethene	4.24	96	1379	0.459	ug/l	83
29) Tetrahydrofuran	4.64	42	580	0.382	ug/l #	50
31) Cyclohexane	4.99	56	4264	Below Cal	#	1
36) 1,1-Dichloropropene	4.99	75	16311	4.482	ug/l #	50
38) Carbon Tetrachloride	4.99	117	20357	5.087	ug/l #	16
44) Trichloroethene	6.19	130	688	0.233	ug/l	80
76) 1,2,3-Trichloropropane	10.31	75	86249	26.100	ug/l #	35
81) trans-1,4-Dichloro-2-buten	10.31	75	86249	60.406	ug/l #	100
95) Naphthalene	13.77	128	142	0.692	ug/l #	69

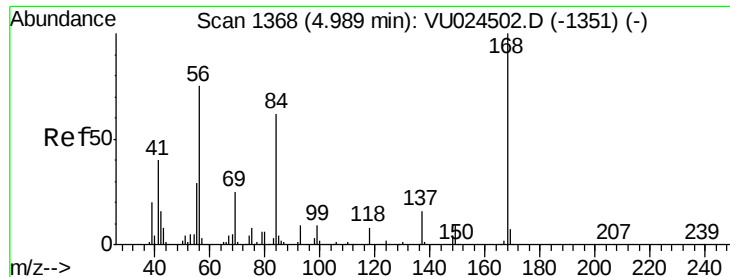
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Wed Jun 13 13:55:26 2018
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 4.99 min Scan# 1368

Delta R.T. 0.00 min

Lab File: VU025116.D

Acq: 01 Jul 2018 03:42

Instrument :

MSVOA_U

ClientSampleId :

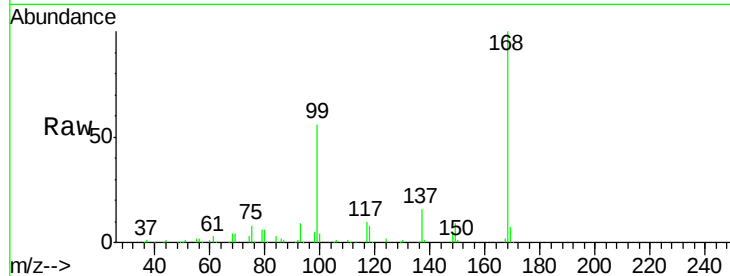
207TH-STREET-FIELD-BLANK-1-6-2

Tgt Ion:168 Resp: 208315

Ion Ratio Lower Upper

168 100

99 56.0 43.2 64.8



Abundance Ion 167.90 (167.60 to 168.60): VU025116.D (-1275) (-)

Ion 98.90 (98.60 to 99.60): VU025116.D (-1275) (-)

4.99

100000

80000

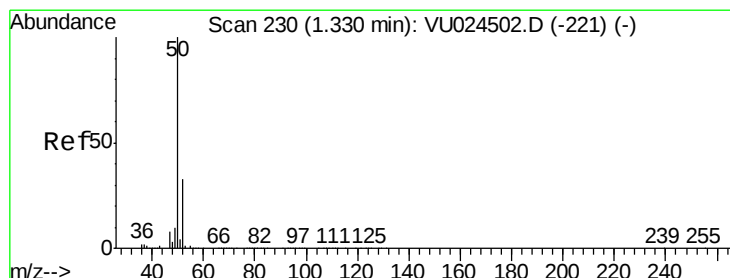
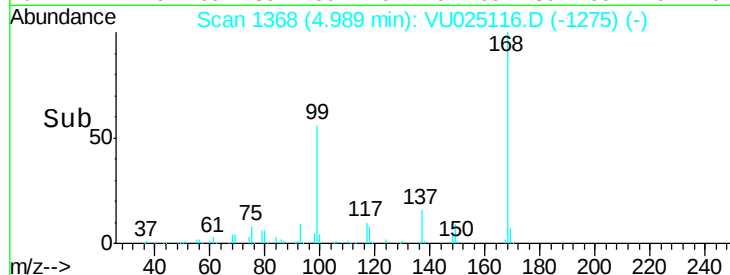
60000

40000

20000

0

Time-->



#3

Chloromethane

Concen: 0.253 ug/l

RT: 1.33 min Scan# 230

Delta R.T. 0.00 min

Lab File: VU025116.D

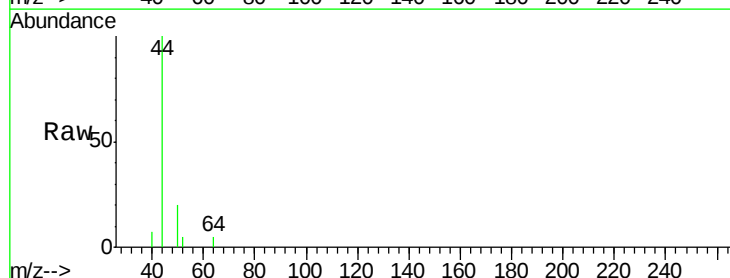
Acq: 01 Jul 2018 03:42

Tgt Ion: 50 Resp: 674

Ion Ratio Lower Upper

50 100

52 26.4 26.4 39.6



Abundance Ion 49.90 (49.60 to 50.60): VU025116.D (-137) (-)

Ion 51.90 (51.60 to 52.60): VU025116.D (-137) (-)

1.33

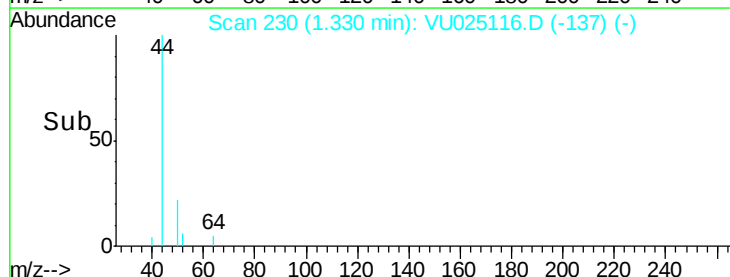
600

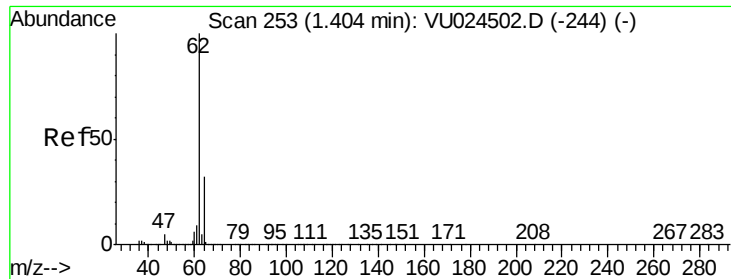
400

200

0

Time-->





#4

Vinyl Chloride

Concen: 0.210 ug/l

RT: 1.40 min Scan# 253

Delta R.T. 0.00 min

Lab File: VU025116.D

Acq: 01 Jul 2018 03:42

Instrument :

MSVOA_U

ClientSampleId :

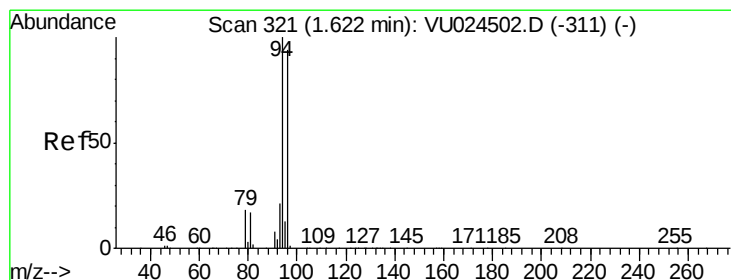
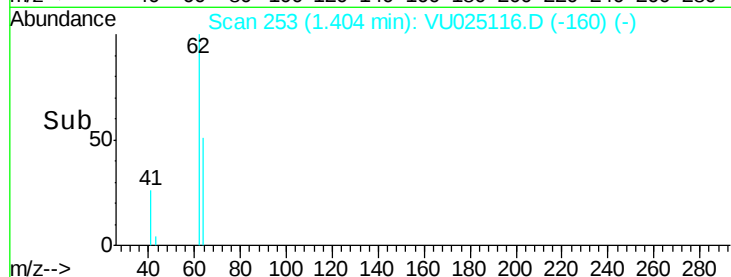
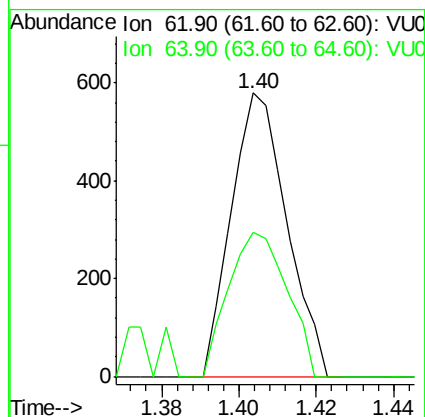
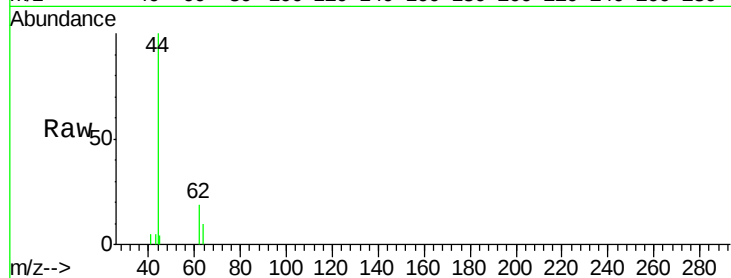
207TH-STREET-FIELD-BLANK-1-6-2

Tgt Ion: 62 Resp: 578

Ion Ratio Lower Upper

62 100

64 50.9 24.8 37.2#



#5

Bromomethane

Concen: 0.468 ug/l

RT: 1.64 min Scan# 325

Delta R.T. 0.01 min

Lab File: VU025116.D

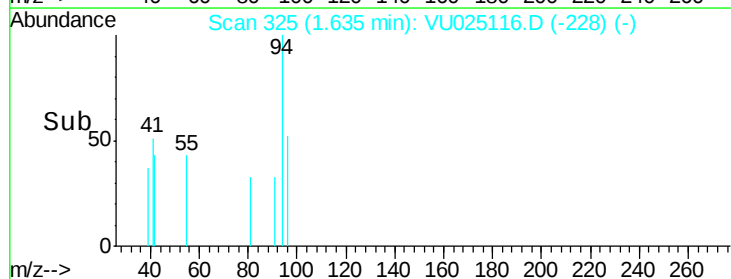
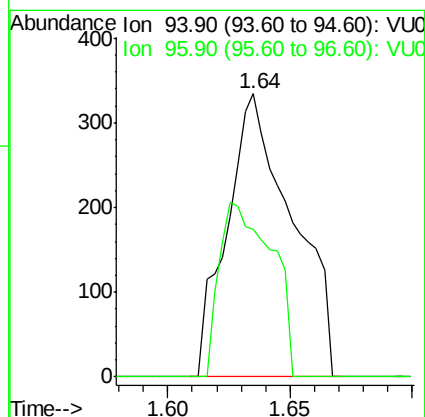
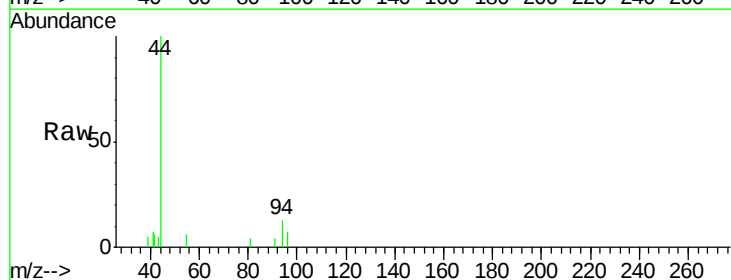
Acq: 01 Jul 2018 03:42

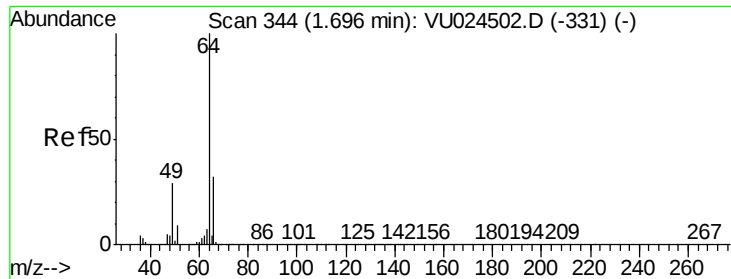
Tgt Ion: 94 Resp: 621

Ion Ratio Lower Upper

94 100

96 52.1 74.5 111.7#





#6

Chloroethane

Concen: Below Cal

RT: 1.74 min Scan# 358

Delta R.T. 0.05 min

Lab File: VU025116.D

Acq: 01 Jul 2018 03:42

Instrument :

MSVOA_U

ClientSampleId :

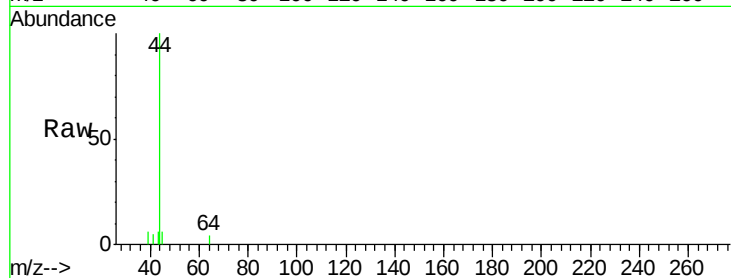
207TH-STREET-FIELD-BLANK-1-6-2

Tgt Ion: 64 Resp: 40

Ion Ratio Lower Upper

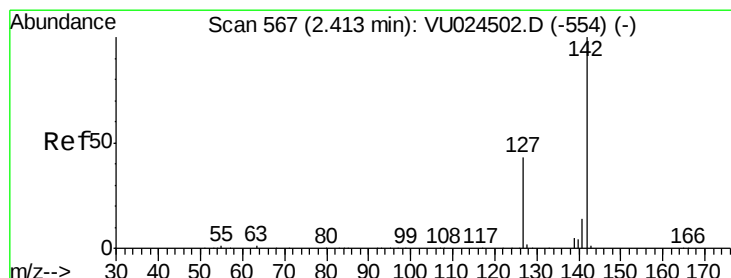
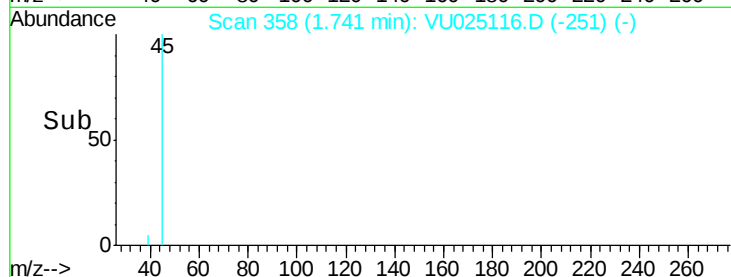
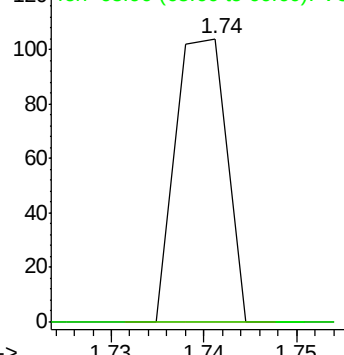
64 100

66 0.0 25.5 38.3#



Abundance Ion 63.90 (63.60 to 64.60): VU0

Ion 65.90 (65.60 to 66.60): VU0



#10

Methyl Iodide

Concen: 5.306 ug/l

RT: 2.41 min Scan# 565

Delta R.T. -0.01 min

Lab File: VU025116.D

Acq: 01 Jul 2018 03:42

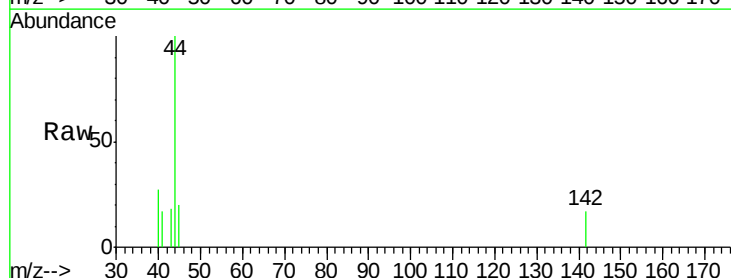
Tgt Ion: 142 Resp: 42

Ion Ratio Lower Upper

142 100

127 0.0 35.6 53.4#

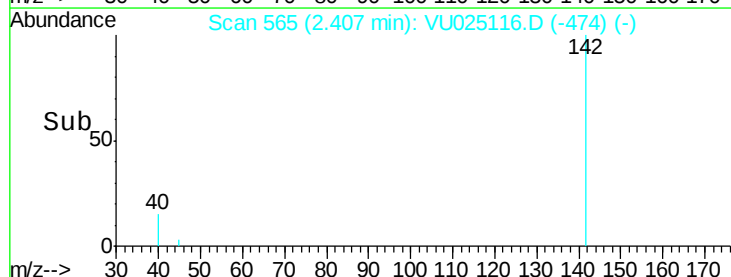
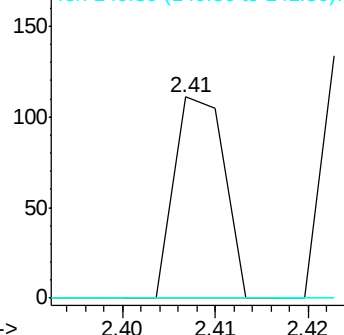
141 0.0 11.7 17.5#

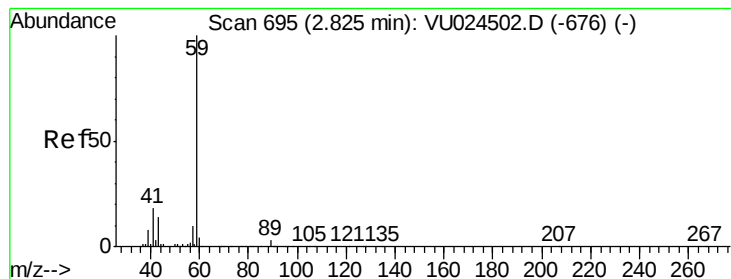


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



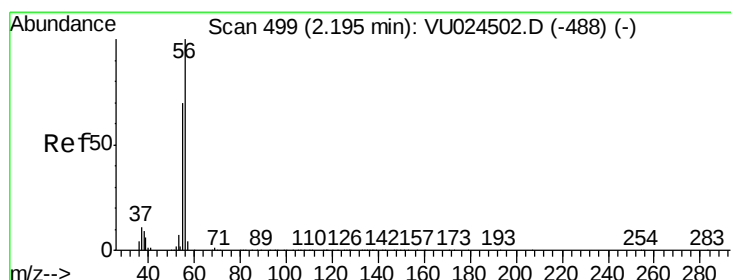
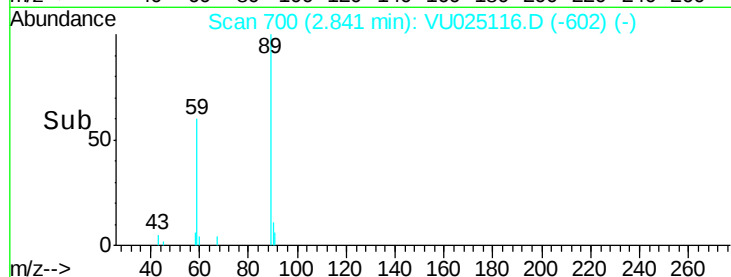
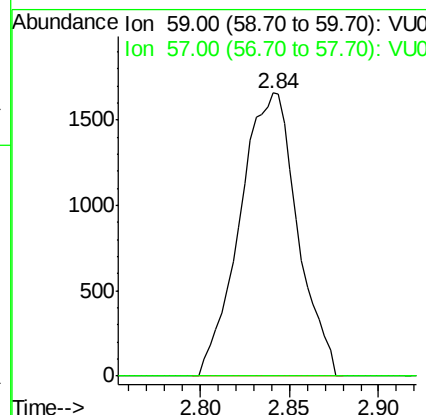
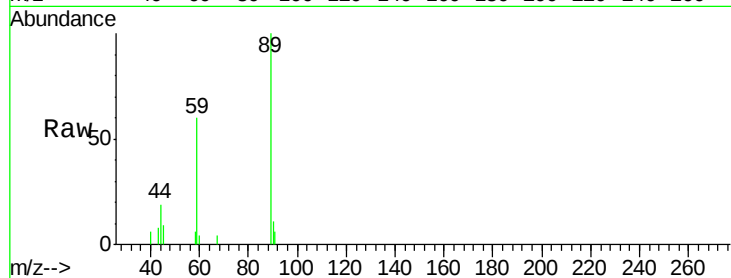


#11

Tert butyl alcohol
 Concen: 4.523 ug/l
 RT: 2.84 min Scan# 700
 Delta R.T. 0.02 min
 Lab File: VU025116.D
 Acq: 01 Jul 2018 03:42

Instrument :
 MSVOA_U
 ClientSampleId :
 207TH-STREET-FIELD-BLANK-1-6-2

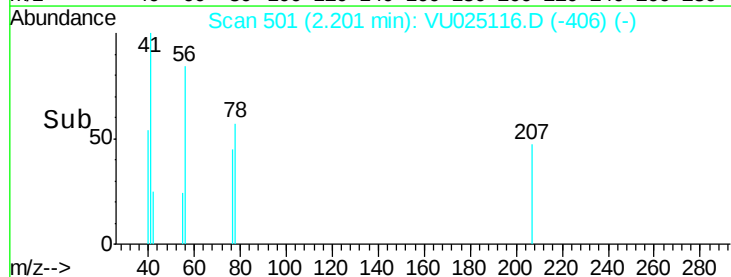
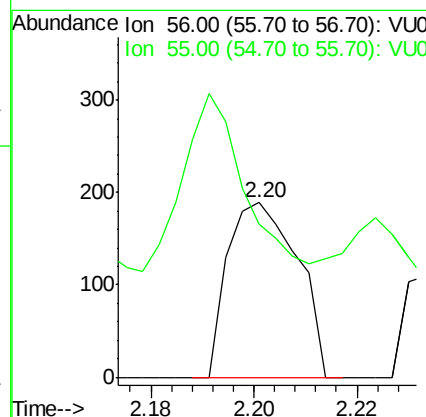
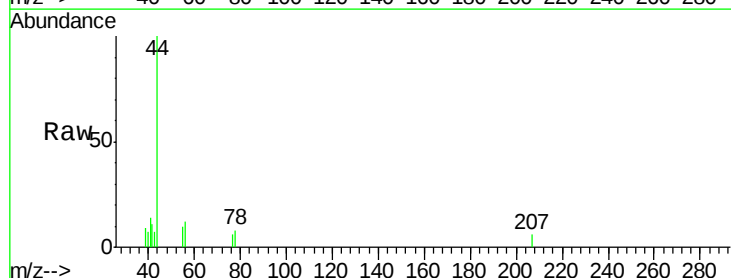
Tgt Ion: 59 Resp: 3741
 Ion Ratio Lower Upper
 59 100
 57 0.0 8.5 12.7#

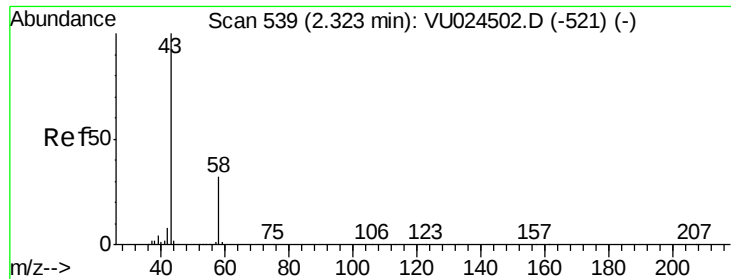


#13

Acrolein
 Concen: 0.405 ug/l
 RT: 2.20 min Scan# 501
 Delta R.T. 0.01 min
 Lab File: VU025116.D
 Acq: 01 Jul 2018 03:42

Tgt Ion: 56 Resp: 176
 Ion Ratio Lower Upper
 56 100
 55 158.0 58.4 87.6#





#16

Acetone

Concen: 8.002 ug/l

RT: 2.32 min Scan# 539

Delta R.T. 0.00 min

Lab File: VU025116.D

Acq: 01 Jul 2018 03:42

Instrument :

MSVOA_U

ClientSampleId :

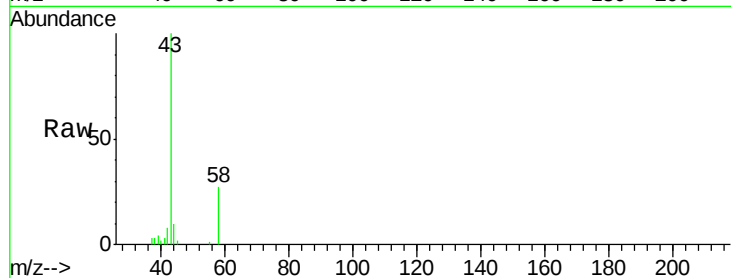
207TH-STREET-FIELD-BLANK-1-6-2

Tgt Ion: 43 Resp: 14622

Ion Ratio Lower Upper

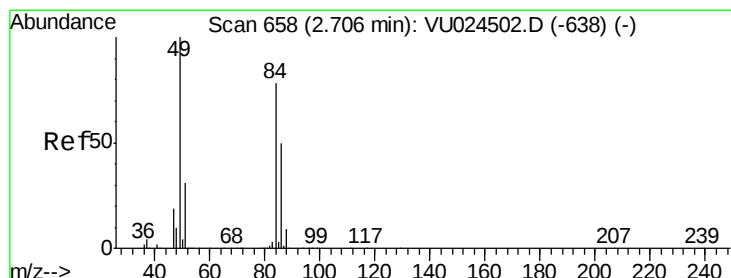
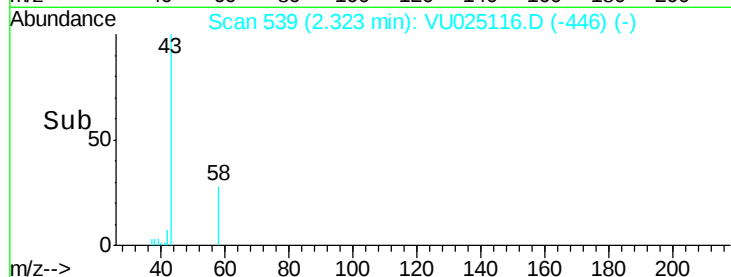
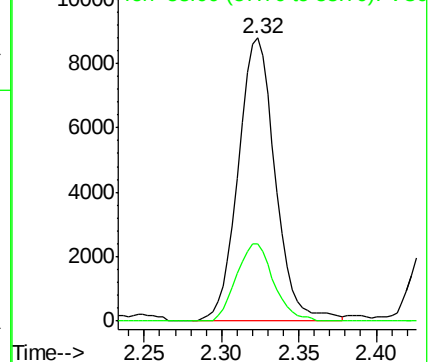
43 100

58 27.4 24.4 36.6



Abundance Ion 43.00 (42.70 to 43.70): VU0

Ion 58.00 (57.70 to 58.70): VU0



#20

Methylene Chloride

Concen: 0.965 ug/l

RT: 2.71 min Scan# 658

Delta R.T. 0.00 min

Lab File: VU025116.D

Acq: 01 Jul 2018 03:42

Tgt Ion: 84 Resp: 2768

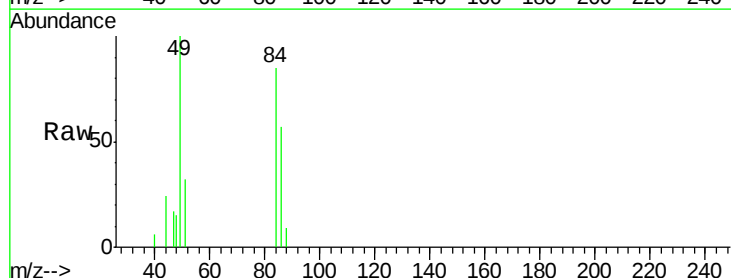
Ion Ratio Lower Upper

84 100

49 117.6 103.8 155.8

51 37.5 32.0 48.0

86 66.8 51.6 77.4

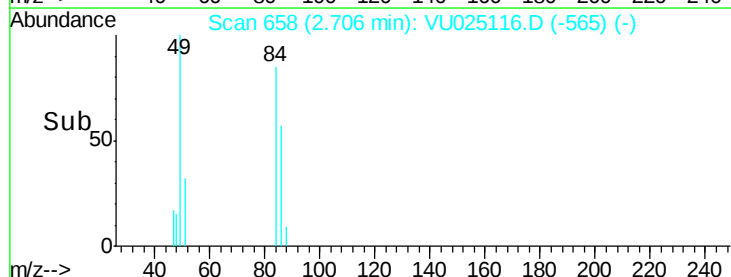
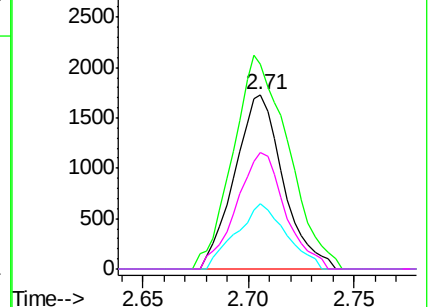


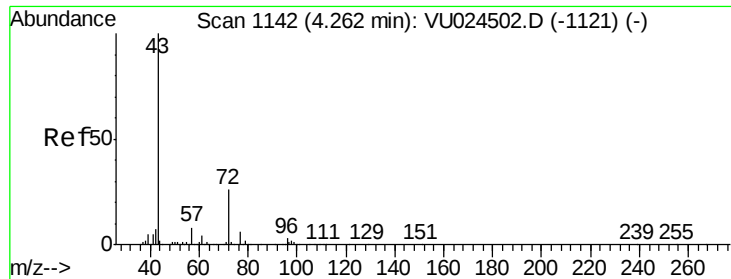
Abundance Ion 83.90 (83.60 to 84.60): VU0

Ion 48.90 (48.60 to 49.60): VU0

Ion 50.90 (50.60 to 51.60): VU0

Ion 85.90 (85.60 to 86.60): VU0

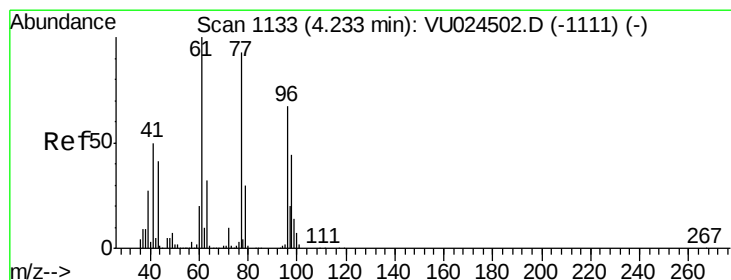
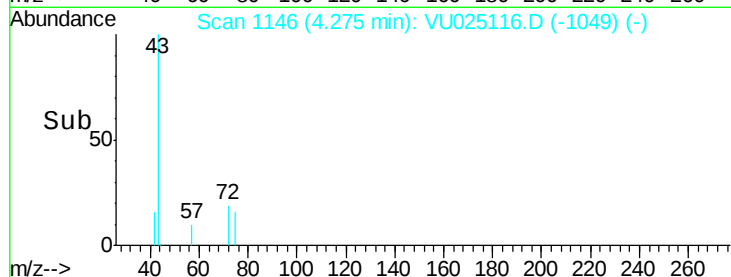
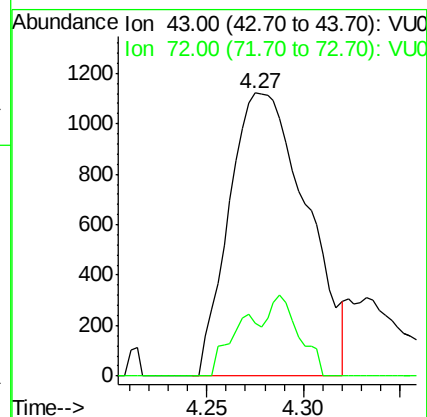
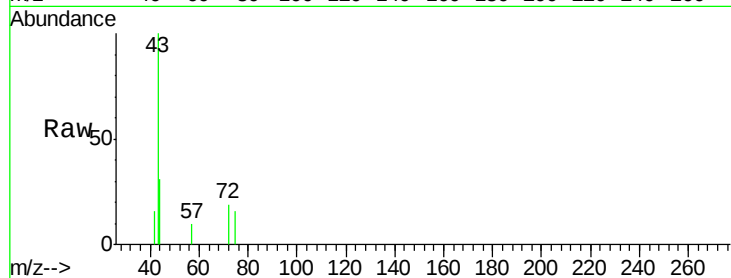




#25
2-Butanone
Concen: 1.273 ug/l
RT: 4.27 min Scan# 1146
Delta R.T. 0.01 min
Lab File: VU025116.D
Acq: 01 Jul 2018 03:42

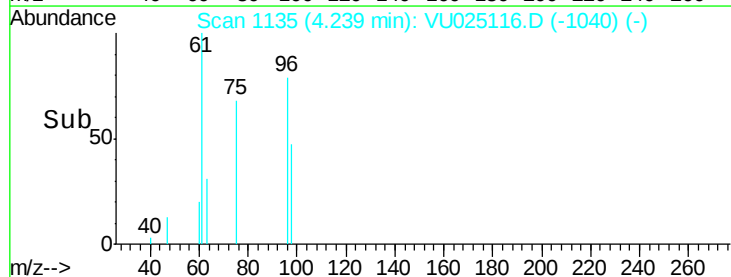
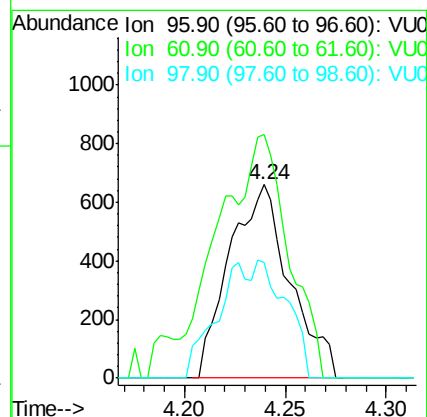
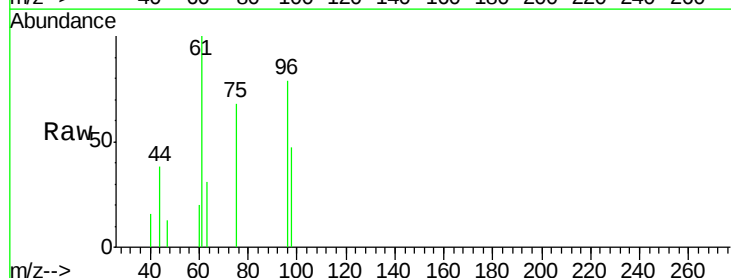
Instrument :
MSVOA_U
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207TH-STREET-FIELD-BLANK-1-6-2

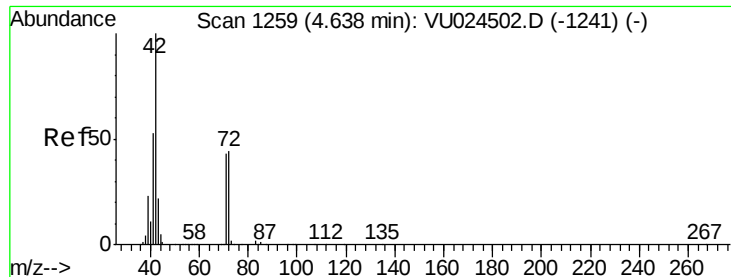
Tgt Ion: 43 Resp: 3124
Ion Ratio Lower Upper
43 100
72 18.6 19.6 29.4#



#27
cis-1,2-Dichloroethene
Concen: 0.459 ug/l
RT: 4.24 min Scan# 1135
Delta R.T. 0.01 min
Lab File: VU025116.D
Acq: 01 Jul 2018 03:42

Tgt Ion: 96 Resp: 1379
Ion Ratio Lower Upper
96 100
61 143.1 0.0 306.6
98 35.0 0.0 128.8





#29

Tetrahydrofuran

Concen: 0.382 ug/l

RT: 4.64 min Scan# 1260

Delta R.T. 0.00 min

Lab File: VU025116.D

Acq: 01 Jul 2018 03:42

Instrument :

MSVOA_U

ClientSampleId :

207TH-STREET-FIELD-BLANK-1-6-2

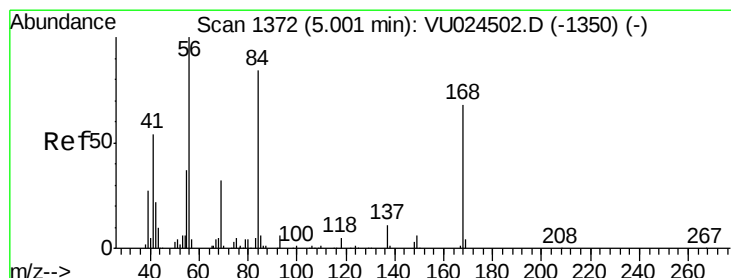
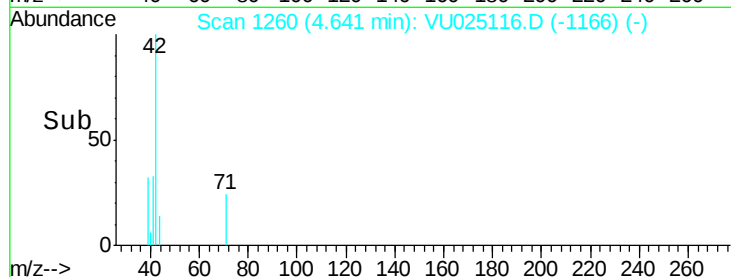
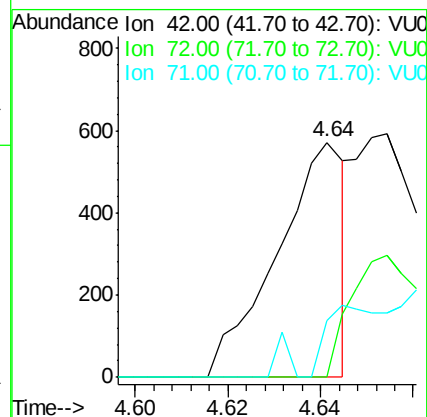
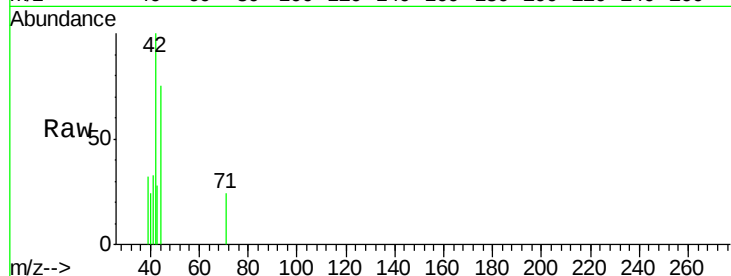
Tgt Ion: 42 Resp: 580

Ion Ratio Lower Upper

42 100

72 0.0 34.5 51.7#

71 21.2 32.2 48.4#



#31

Cyclohexane

Concen: Below Cal

RT: 4.99 min Scan# 1367

Delta R.T. -0.02 min

Lab File: VU025116.D

Acq: 01 Jul 2018 03:42

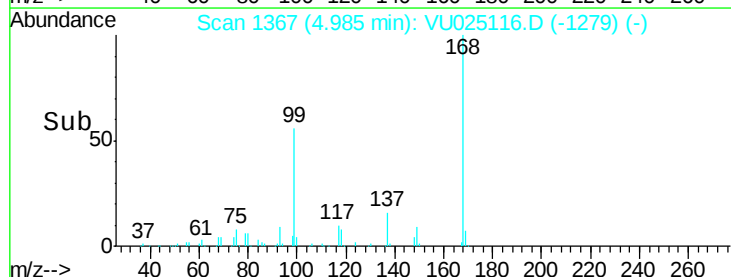
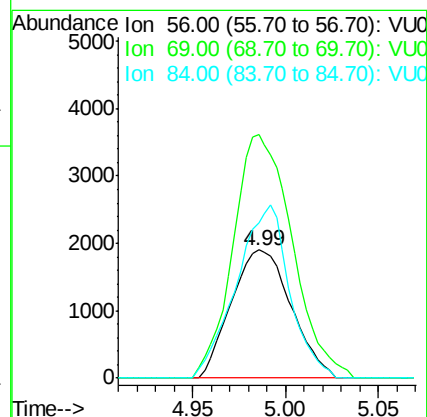
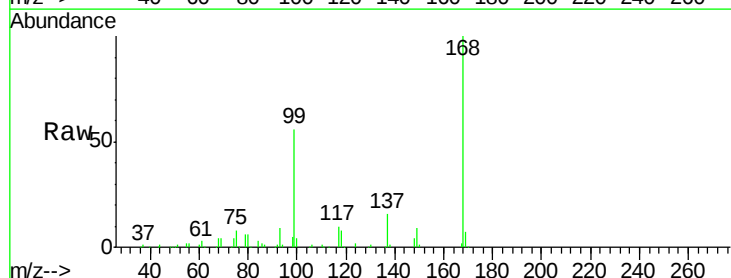
Tgt Ion: 56 Resp: 4264

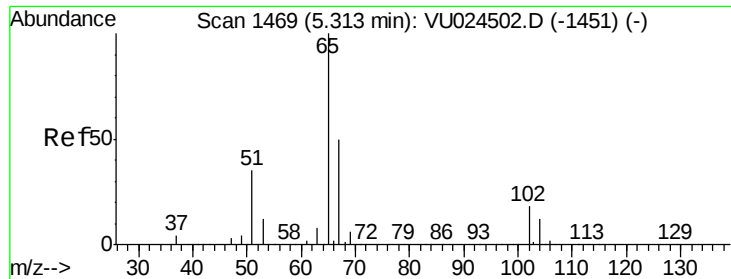
Ion Ratio Lower Upper

56 100

69 190.4 24.8 37.2#

84 121.9 65.2 97.8#





#33

1,2-Dichloroethane-d4

Concen: 46.483 ug/l

RT: 5.31 min Scan# 1469

Delta R.T. 0.00 min

Lab File: VU025116.D

Acq: 01 Jul 2018 03:42

Instrument :

MSVOA_U

ClientSampleId :

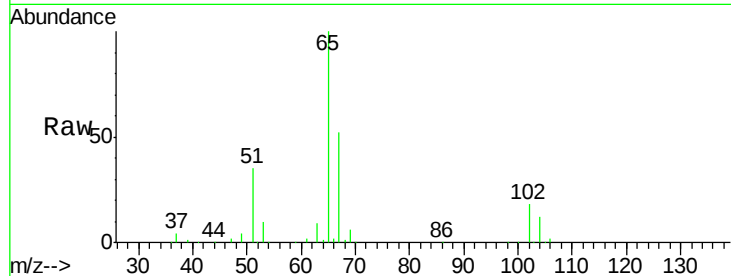
207TH-STREET-FIELD-BLANK-1-6-2

Tgt Ion: 65 Resp: 158078

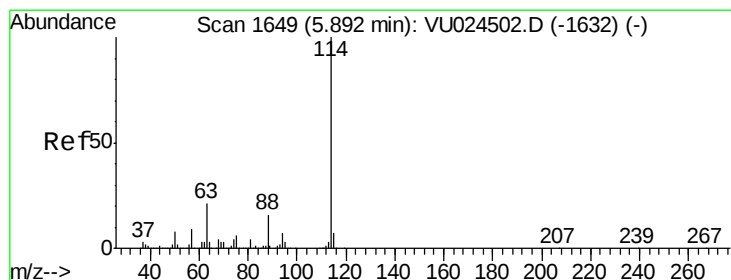
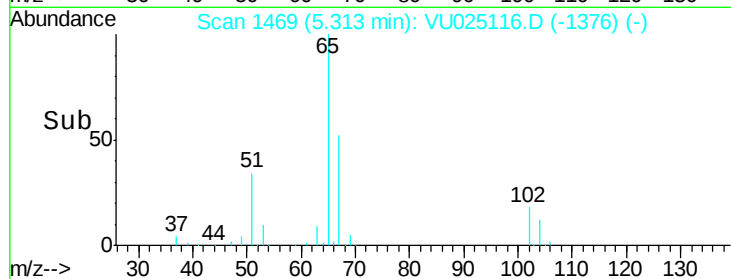
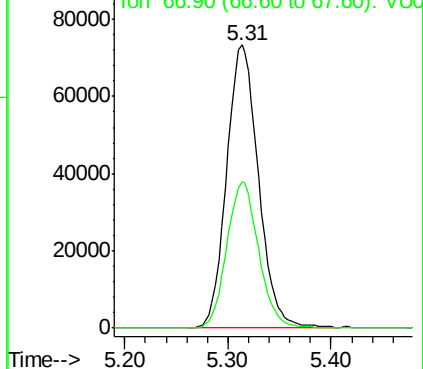
Ion Ratio Lower Upper

65 100

67 51.6 0.0 107.0



Abundance Ion 64.90 (64.60 to 65.60): VU025116.D (-1376) (-)



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 5.89 min Scan# 1649

Delta R.T. 0.00 min

Lab File: VU025116.D

Acq: 01 Jul 2018 03:42

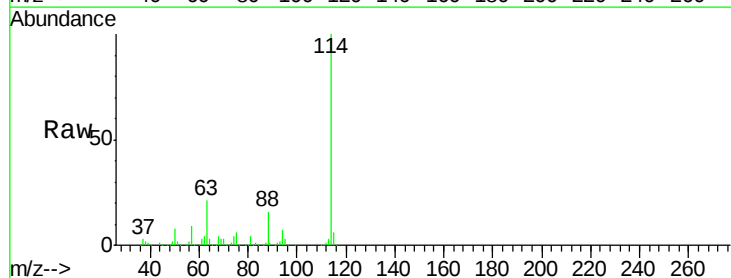
Tgt Ion: 114 Resp: 309711

Ion Ratio Lower Upper

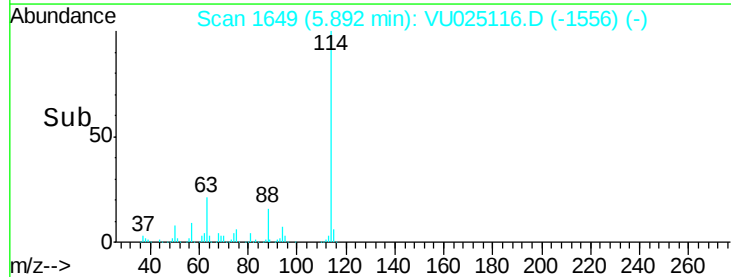
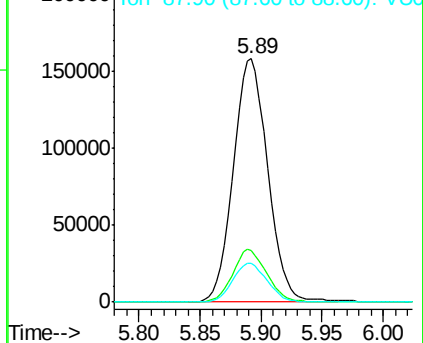
114 100

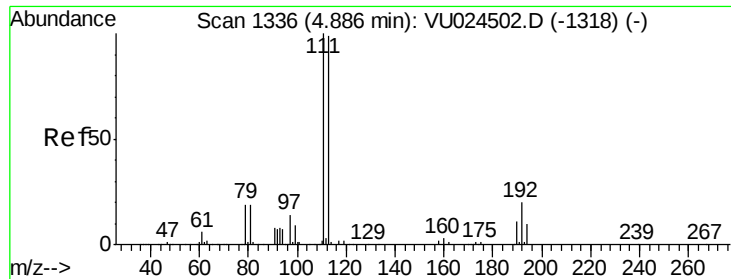
63 21.0 0.0 45.4

88 16.2 0.0 31.0



Abundance Ion 113.90 (113.60 to 114.60): VU025116.D (-1556) (-)





#35

Dibromofluoromethane

Concen: 47.571 ug/l

RT: 4.89 min Scan# 1337

Delta R.T. 0.00 min

Lab File: VU025116.D

Acq: 01 Jul 2018 03:42

Instrument :

MSVOA_U

ClientSampleId :

207TH-STREET-FIELD-BLANK-1-6-2

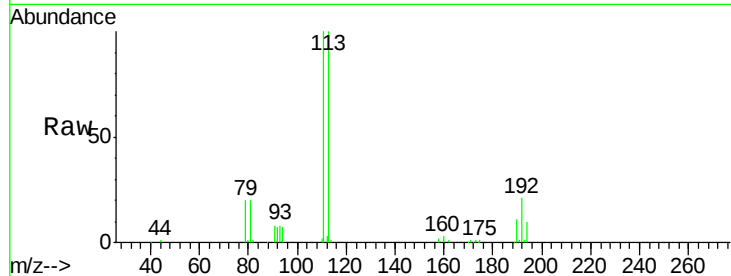
Tgt Ion:113 Resp: 122275

Ion Ratio Lower Upper

113 100

111 101.2 82.2 123.4

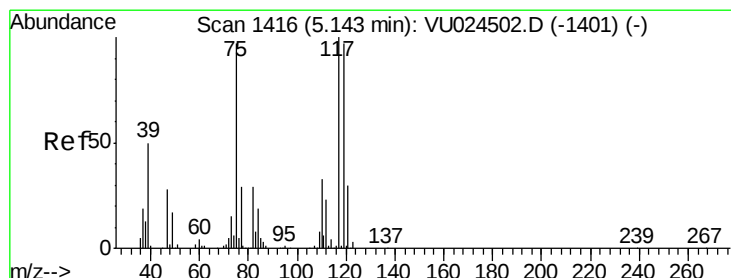
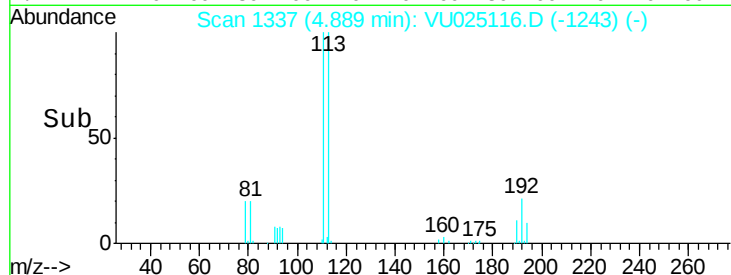
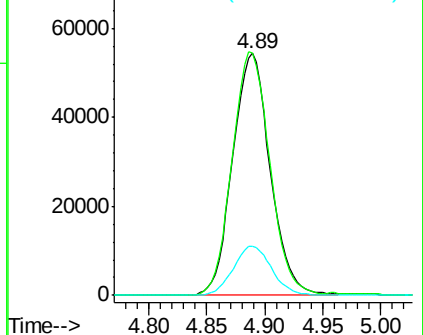
192 20.8 16.2 24.4



Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V



#36

1,1-Dichloropropene

Concen: 4.482 ug/l

RT: 4.99 min Scan# 1368

Delta R.T. -0.15 min

Lab File: VU025116.D

Acq: 01 Jul 2018 03:42

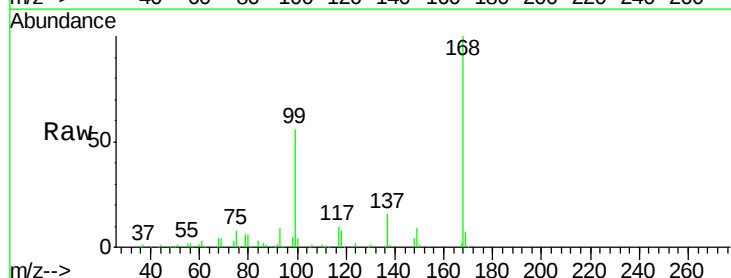
Tgt Ion: 75 Resp: 16311

Ion Ratio Lower Upper

75 100

110 8.5 17.0 50.9#

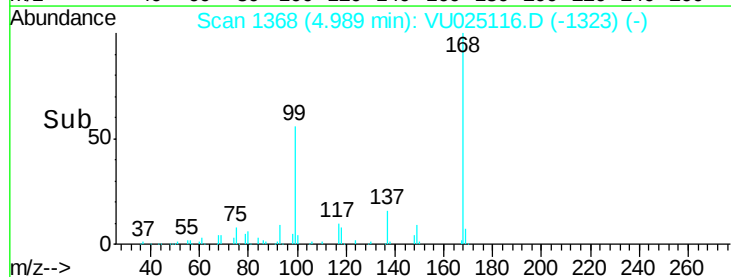
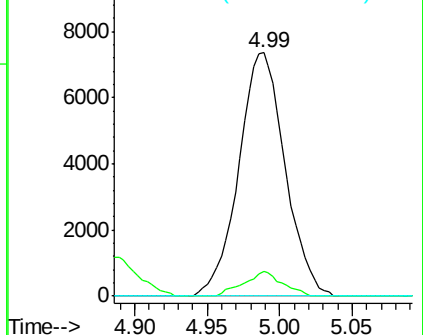
77 0.0 24.2 36.4#

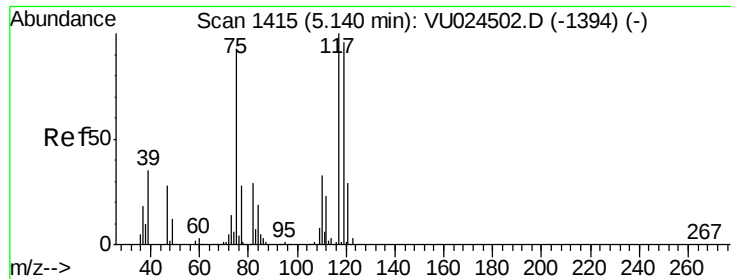


Abundance Ion 74.90 (74.60 to 75.60): VU0

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VU0

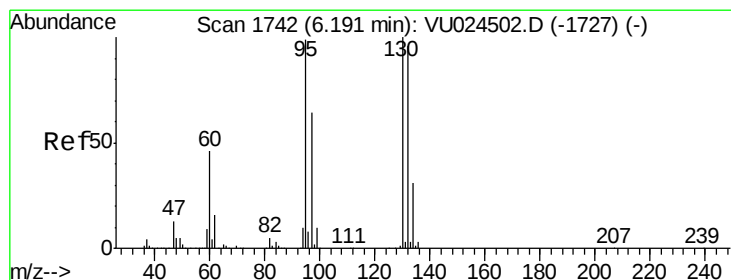
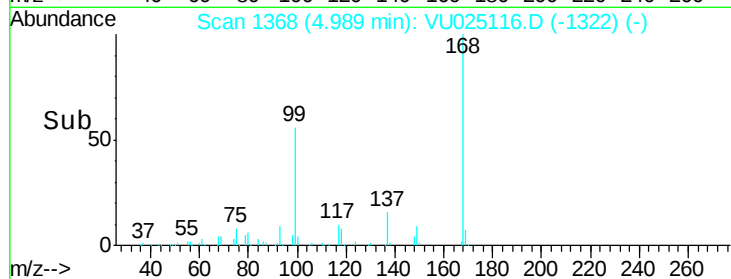
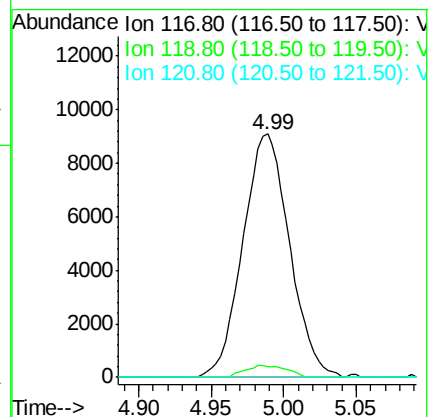
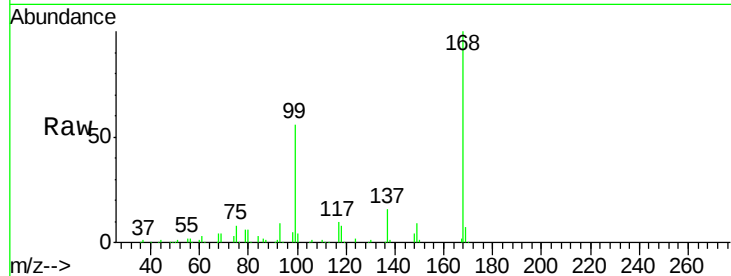




#38
Carbon Tetrachloride
Concen: 5.087 ug/l
RT: 4.99 min Scan# 1368
Delta R.T. -0.15 min
Lab File: VU025116.D
Acq: 01 Jul 2018 03:42

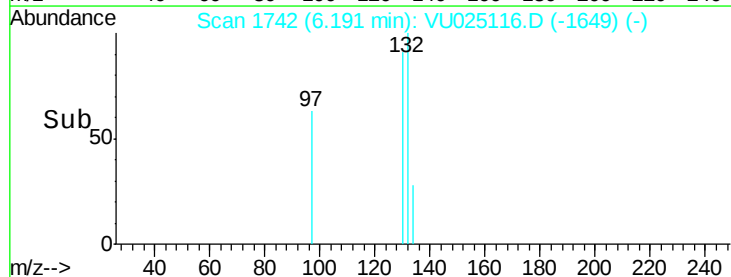
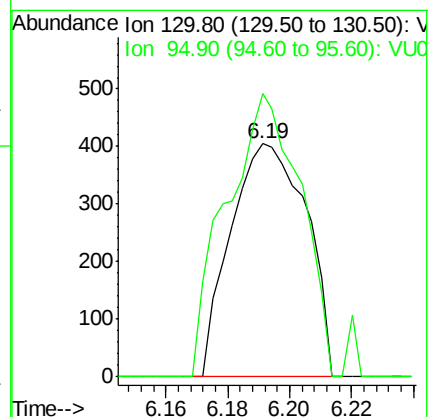
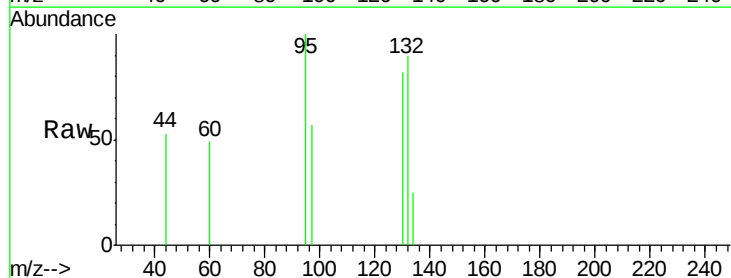
Instrument :
MSVOA_U
ClientSampleId :
207TH-STREET-FIELD-BLANK-1-6-2

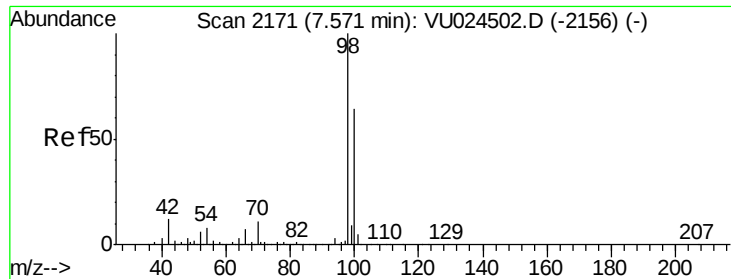
Tgt Ion:117 Resp: 20357
Ion Ratio Lower Upper
117 100
119 4.5 76.1 114.1#
121 0.0 23.7 35.5#



#44
Trichloroethene
Concen: 0.233 ug/l
RT: 6.19 min Scan# 1742
Delta R.T. 0.00 min
Lab File: VU025116.D
Acq: 01 Jul 2018 03:42

Tgt Ion:130 Resp: 688
Ion Ratio Lower Upper
130 100
95 121.5 0.0 202.4

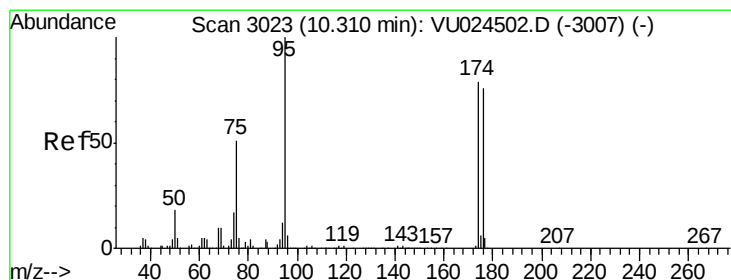
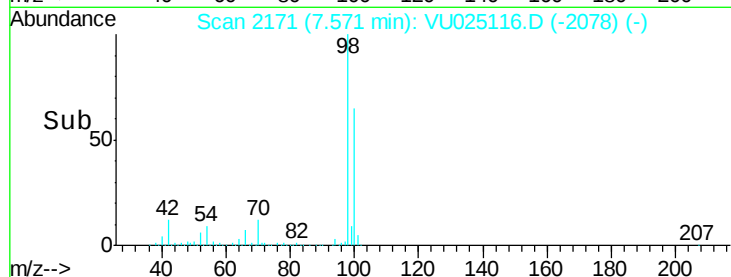
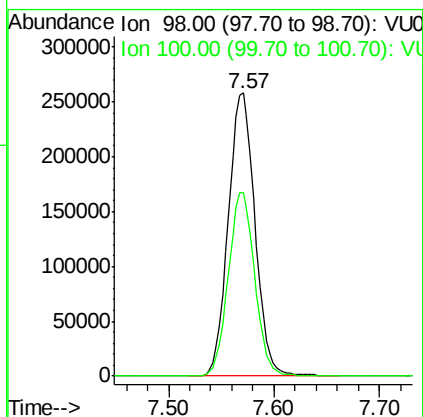
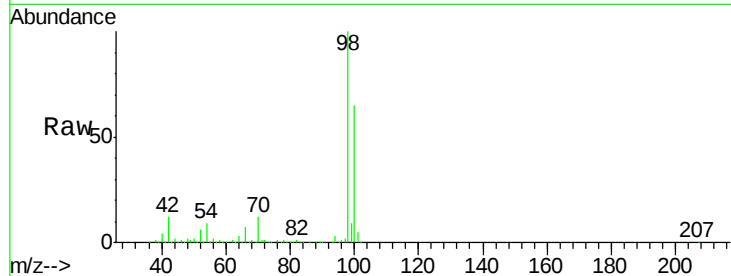




#50
Toluene-d8
Concen: 48.193 ug/l
RT: 7.57 min Scan# 2171
Delta R.T. 0.00 min
Lab File: VU025116.D
Acq: 01 Jul 2018 03:42

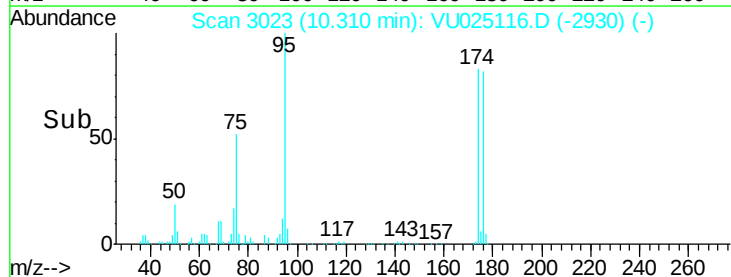
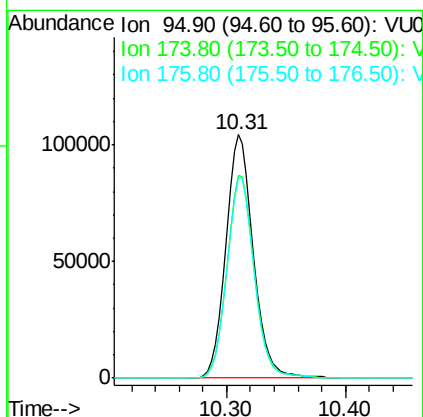
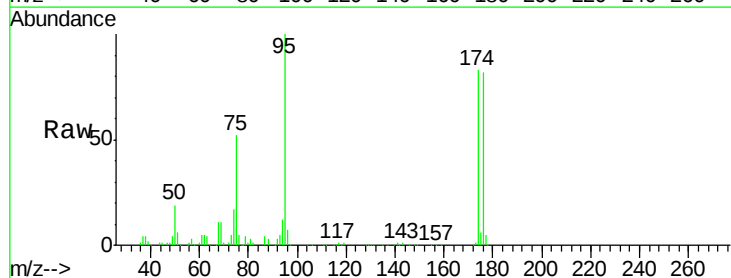
Instrument :
MSVOA_U
ClientSampleId :
207TH-STREET-FIELD-BLANK-1-6-2

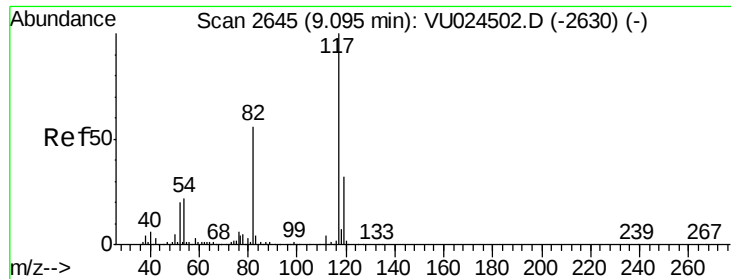
Tgt Ion: 98 Resp: 451840
Ion Ratio Lower Upper
98 100
100 64.4 51.1 76.7



#62
4-Bromofluorobenzene
Concen: 44.727 ug/l
RT: 10.31 min Scan# 3023
Delta R.T. 0.00 min
Lab File: VU025116.D
Acq: 01 Jul 2018 03:42

Tgt Ion: 95 Resp: 166495
Ion Ratio Lower Upper
95 100
174 83.8 0.0 165.8
176 82.6 0.0 159.4

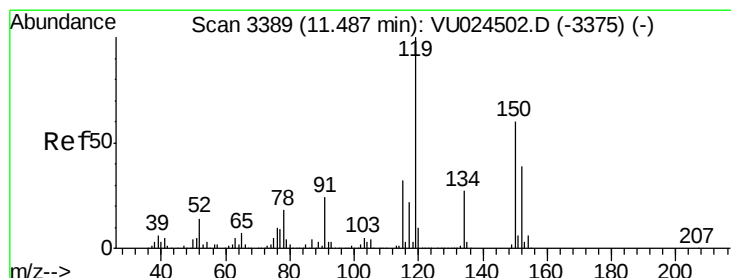
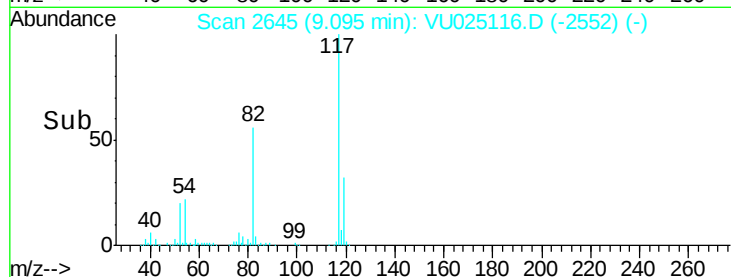
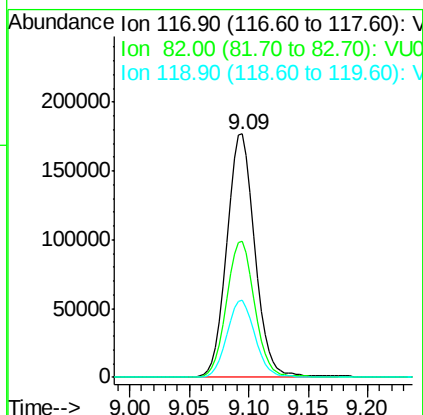
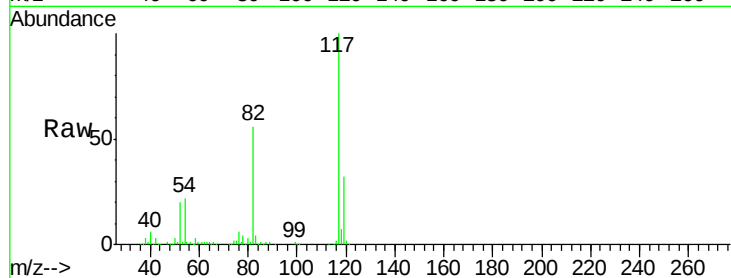




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.09 min Scan# 2645
Delta R.T. 0.00 min
Lab File: VU025116.D
Acq: 01 Jul 2018 03:42

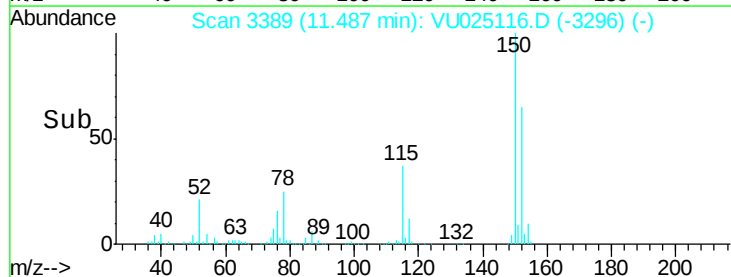
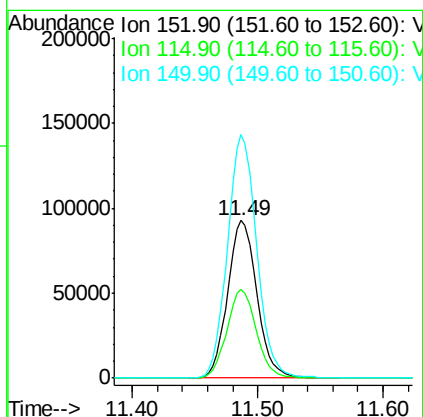
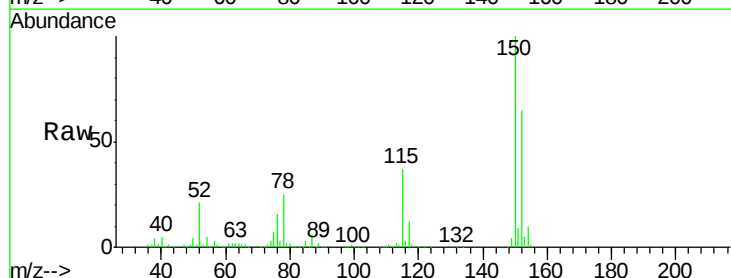
Instrument :
MSVOA_U
ClientSampleId :
207TH-STREET-FIELD-BLANK-1-6-2

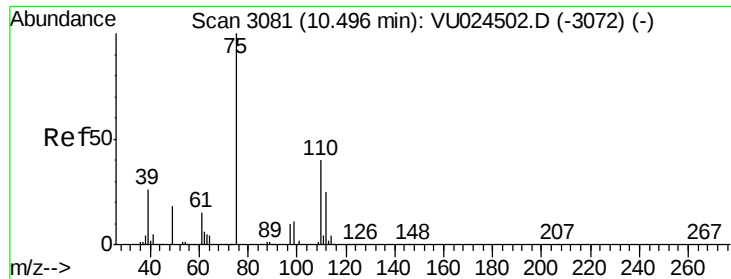
Tgt Ion	Ratio	Lower	Upper
117	100		
82	55.8	44.3	66.5
119	31.5	25.4	38.2



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 11.49 min Scan# 3389
Delta R.T. 0.00 min
Lab File: VU025116.D
Acq: 01 Jul 2018 03:42

Tgt Ion	Ratio	Lower	Upper
152	100		
115	56.5	43.0	129.0
150	154.3	0.0	354.0

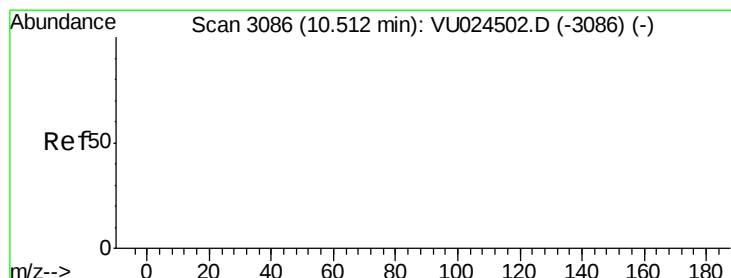
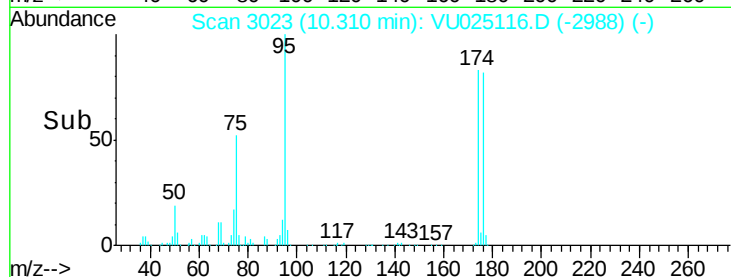
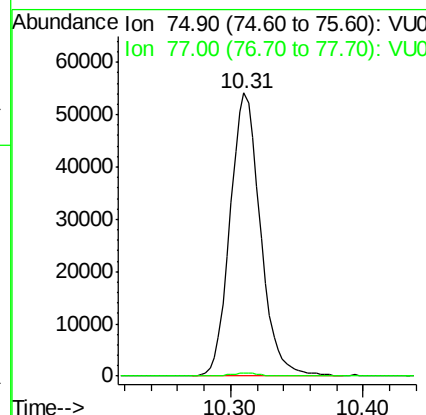
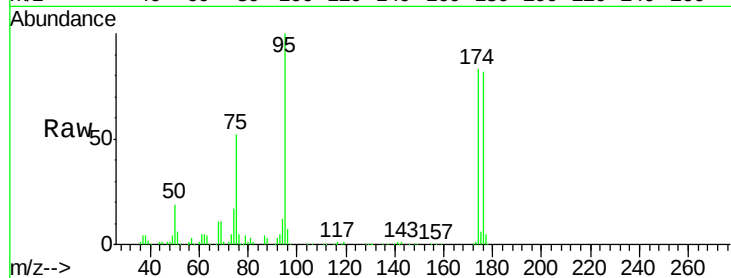




#76
 1,2,3-Trichloropropane
 Concen: 26.100 ug/l
 RT: 10.31 min Scan# 3023
 Delta R.T. -0.19 min
 Lab File: VU025116.D
 Acq: 01 Jul 2018 03:42

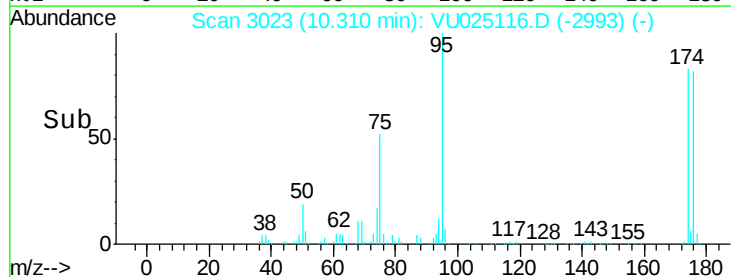
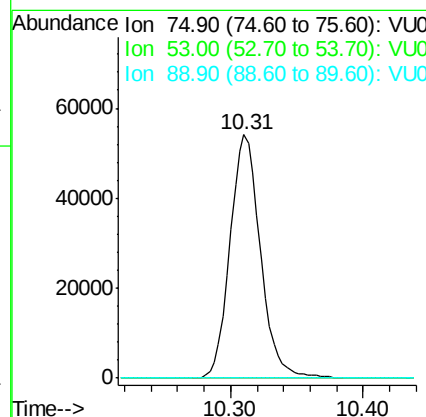
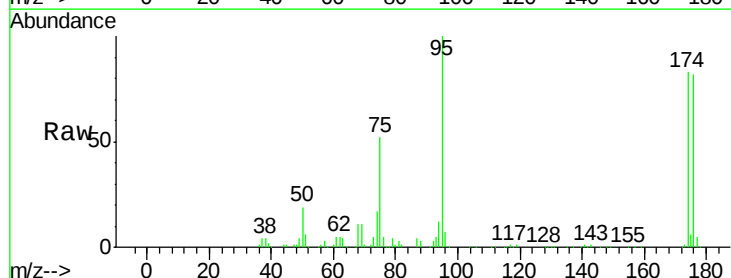
Instrument :
 MSVOA_U
 ClientSampleId :
 207TH-STREET-FIELD-BLANK-1-6-2

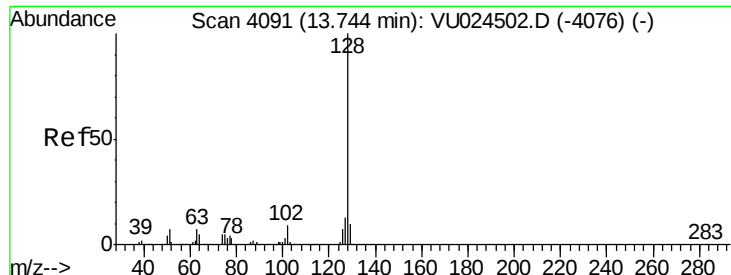
Tgt Ion: 75 Resp: 86249
 Ion Ratio Lower Upper
 75 100
 77 1.0 20.9 62.7#



#81
 trans-1,4-Dichloro-2-butene
 Concen: 60.406 ug/l
 RT: 10.31 min Scan# 3023
 Delta R.T. -0.20 min
 Lab File: VU025116.D
 Acq: 01 Jul 2018 03:42

Tgt Ion: 75 Resp: 86249
 Ion Ratio Lower Upper
 75 100
 53 0.0 0.0 0.0
 89 0.0 0.0 0.0





#95
Naphthalene
Concen: 0.692 ug/l
RT: 13.77 min Scan# 4099
Delta R.T. 0.03 min
Lab File: VU025116.D
Acq: 01 Jul 2018 03:42

Instrument :
MSVOA_U
ClientSampleId :
207TH-STREET-FIELD-BLANK-1-6-2

Tgt Ion	Ratio	Lower	Upper
128	100		
127	0.0	10.6	16.0#
129	0.0	8.6	12.8#

